

What is Claimed is:

1. An isolated nucleic acid encoding a *C. pneumoniae* protein as set forth in Table 3.

2. The isolated nucleic acid of Claim 1, wherein said nucleic acid has a nucleotide sequence of an open reading frame in SEQ ID NO:1.

3. A probe comprising a hybridizing fragment of an isolated nucleic acid according to Claim 2.

5. An isolated nucleic acid that hybridizes under stringent conditions to the nucleic acid sequence of Claim 2.

6. An expression cassette comprising a transcriptional initiation region functional in an expression host, a nucleic acid having a sequence of the isolated nucleic acid according to Claim 1 under the transcriptional regulation of said transcriptional initiation region, and a transcriptional termination region functional in said expression host.

7. A cell comprising an expression cassette according to Claim 6 as part of an extrachromosomal element or integrated into the genome of a host cell as a result of introduction of said expression cassette into said host cell, and the cellular progeny of said host cell.

8. A method for producing a *C. pneumoniae* protein, said method comprising:  
growing a cell according to Claim 7, whereby said *C. pneumoniae* protein is expressed; and  
isolating said *C. pneumoniae* protein free of other proteins.

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10. A monoclonal antibody binding specifically to the polypeptide of Claim 9.

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